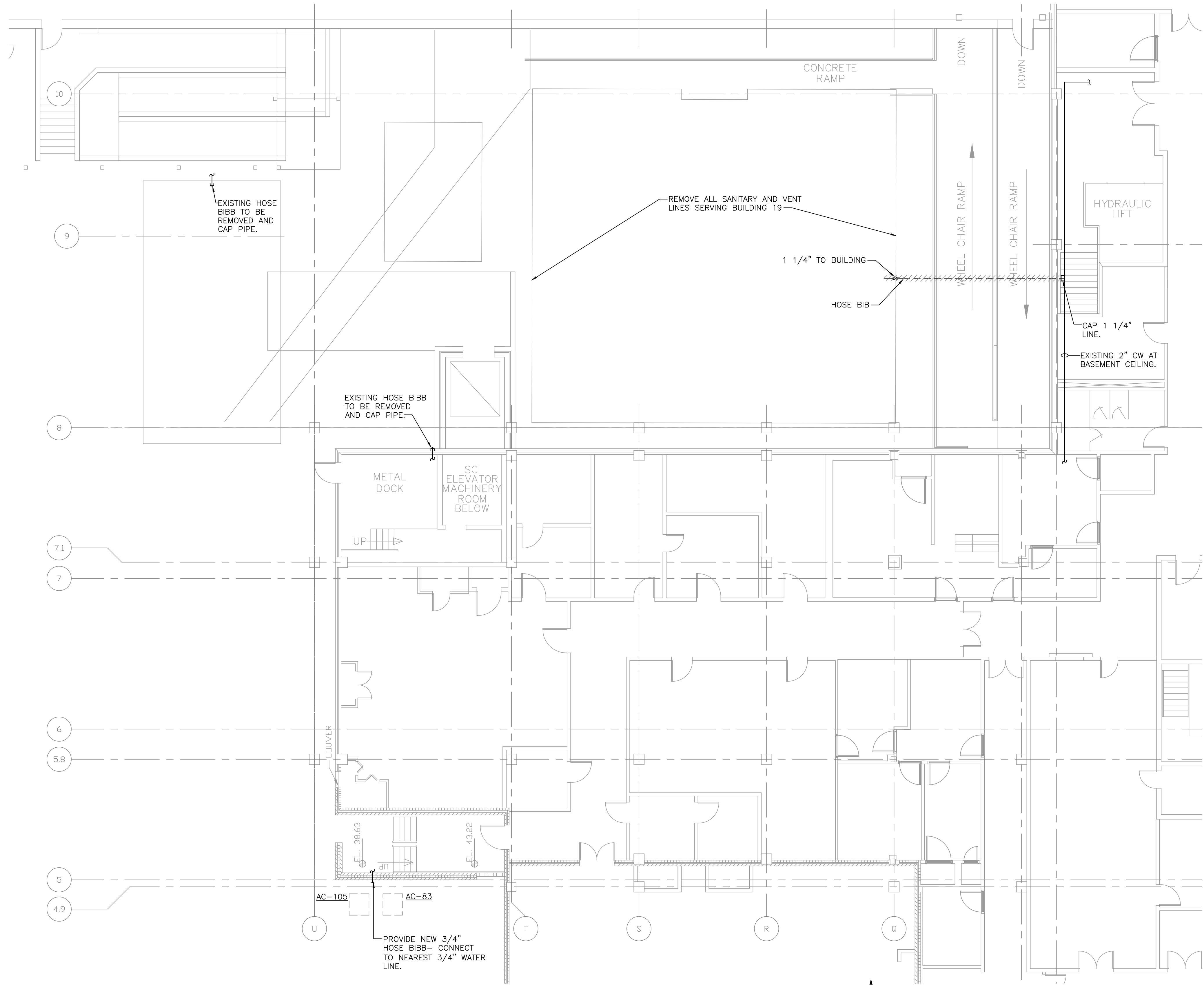
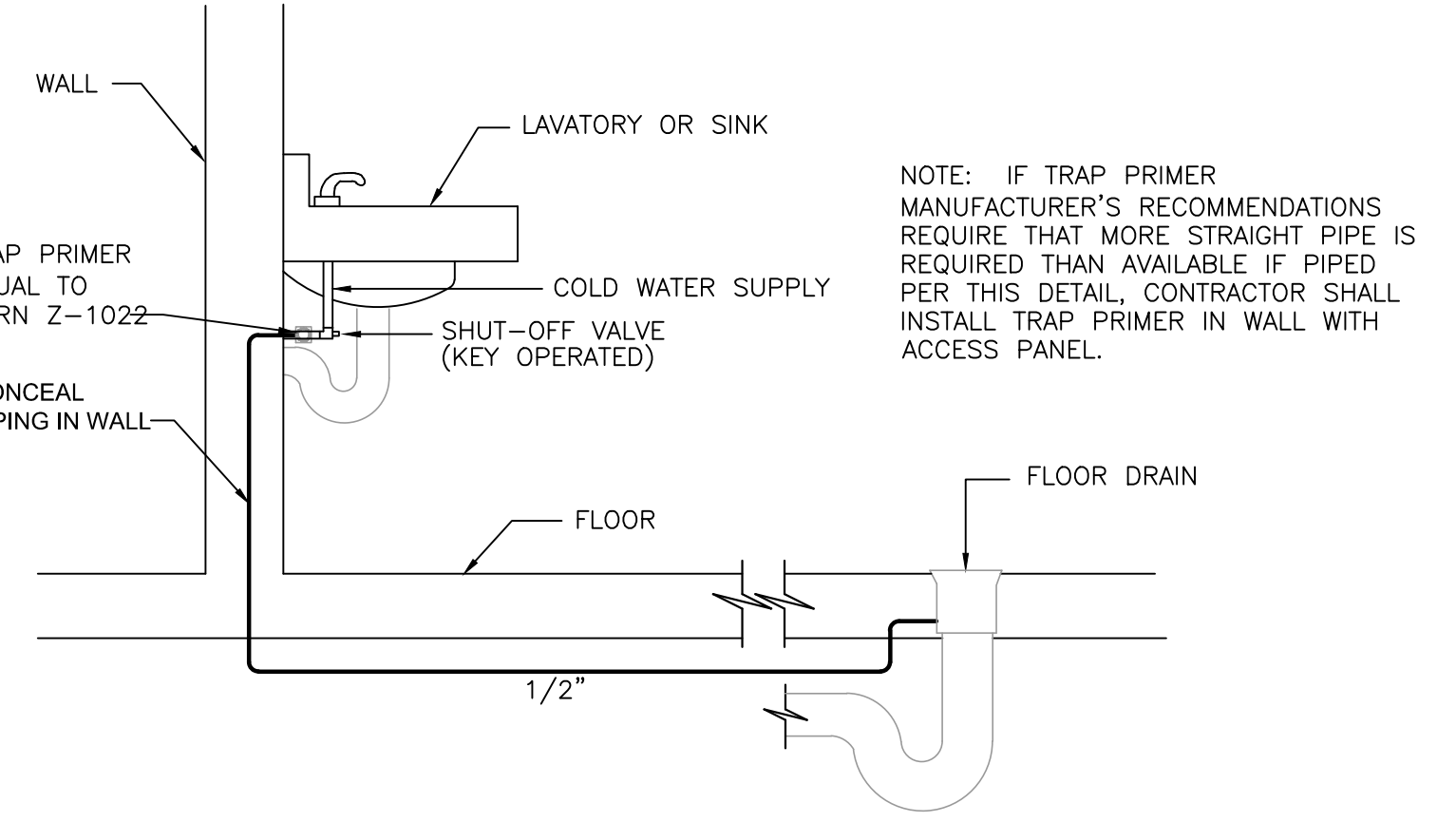


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one half inch = one foot  
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one eighth inch = one foot  
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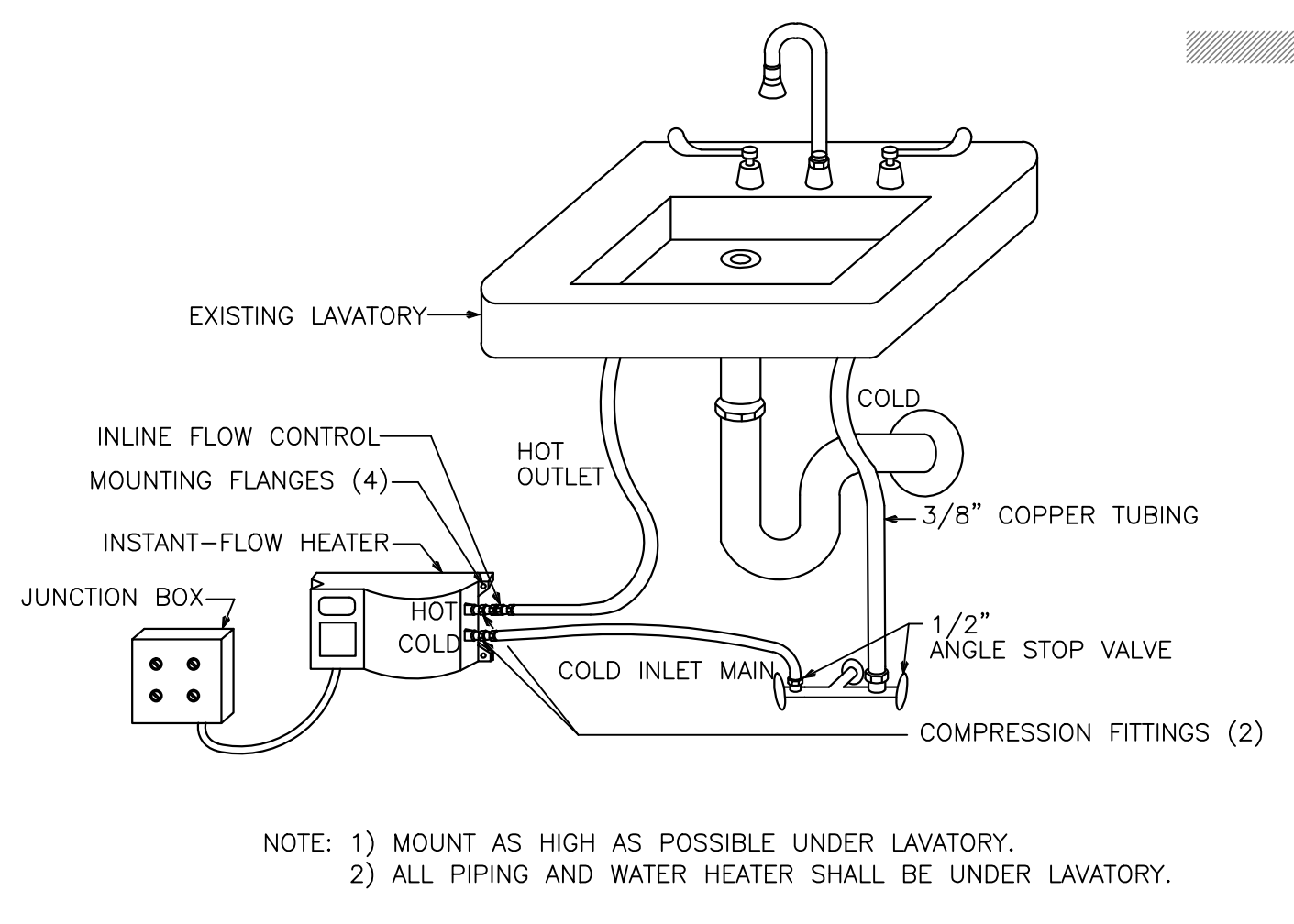


GROUND FLOOR PLAN - DEMO PLUMBING

SCALE: 1/8" = 1'-0"  
HATCHING INDICATES ITEMS TO BE REMOVED



TRAP PRIMER DETAIL  
NOT TO SCALE



INSTANTANEOUS WATER HEATER CONNECTIONS  
NOT TO SCALE

GENERAL NOTES

- 1. THE DRAWINGS ARE PARTLY DIAGRAMMATIC AND ARE NOT INTENDED TO SHOW IN DETAIL ALL FEATURES OF THE WORK. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THESE SPECIFICATIONS, THE DRAWINGS AND LOCAL GOVERNING CODES.
- 2. CONTRACTORS SHALL REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS.
- 3. CONTRACTOR SHALL VISIT SITE AND VERIFY EXISTING ITEMS PRIOR TO BIDDING AND ADVISE ARCHITECT OF ANY DISCREPANCIES.
- 4. ITEMS SHOWN AS PROVIDED UNDER ANOTHER DIVISION SHALL BE CONNECTED IN THIS WORK. OBTAIN EXACT ROUGH-IN INFORMATION BEFORE CONSTRUCTION ON ALL ITEMS REQUIRING PLUMBING CONNECTIONS.
- 5. ALL CUTTING & PATCHING OF EXISTING FLOORS, WALL, CEILING, ETC. SHALL BE COORDINATED BY THE GENERAL CONTRACTOR OR AT HIS DIRECTION. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN UP AFTER EACH SESSION.
- 6. THE WORK UNDER THIS SECTION OF THE SPECIFICATIONS INCLUDES ALL LABOR, MATERIALS, EQUIPMENT AND SERVICES NECESSARY TO COMPLETE THE PLUMBING SYSTEM AS SHOWN ON THE DRAWINGS & HEREIN SPECIFIED. ALL WORK SHALL BE DONE IN A WORKMANLIKE MANNER IN ACCORDANCE WITH GOOD PRACTICE, MANUFACTURER'S RECOMMENDATIONS AND THE DEPARTMENT OF PUBLIC HEALTH.
- 7. FURNISH (1) ONE YEAR SERVICE AND GUARANTEE ON ALL LABOR, MATERIALS AND EQUIPMENT.
- 8. OFFSET PIPING TO AVOID STRUCTURAL MEMBERS, CANTS, FLASHINGS, MECHANICAL AND ELECTRICAL EQUIPMENT, ETC.
- 9. ALL VENTS THRU ROOF SHALL BE INSTALLED A MINIMUM OF 10'-0" FROM ALL FRESH AIR INTAKE TO AIR HANDLING EQUIPMENT AND OFFSET MINIMUM OF 3'-0" FROM EDGE OF ROOF LINE AND PARAPETS.
- 10. INDIRECT WASTE PIPING FROM EQUIPMENT, WHICH PRODUCES A COLD WASTEWATER, (SUCH AS ICE MACHINES, COOLING COIL, DRINK PANS, ETC.) SHALL BE INSULATED WITH 3/8" ARMAFLEX INSULATION. SEAL ALL LONGITUDINAL AND BUTT JOINTS WITH ADHESIVE APPROVED BY THE INSULATION MANUFACTURER.
- 11. PROVIDE FLEX-LINE FOR FINAL CONNECTIONS TO EQUIPMENT ITEMS.
- 12. ALL TESTING & STERILIZATION SHALL COMPLY W/LOCAL GOVERNING CODES & RECOMMENDATION OF THE AMERICAN WATER WORKS ASSOC. ALL PLUMBING TESTS SHALL BE WITNESSED BY VA PLUMBING INSPECTOR, AND A COPY OF THE DISINFECTION REPORT SHALL BE PROVIDED TO THE VA PLUMBING INSPECTOR.
- 13. PROVIDE CHROME PLATED ESCUTCHEON PLATES FOR ALL EXPOSED PIPE PASSING THRU WALLS, FLOORS, OR CEILINGS. ALL EXPOSED PIPING AND FITTINGS SHALL BE CHROME PLATED AS WELL.
- 14. ALL PIPING PENETRATIONS THRU FIRE RATED WALL SHALL BE SEALED WITH FIRE BARRIER CAULK (3M OR EQUAL).
- 15. HOT & COLD WATER SUPPLIES TO EACH INDIVIDUAL OR GROUP OF PLUMBING FIXTURES SHALL BE FITTED WITH AIR CHAMBERS OF AMPLE SIZE TO PREVENT WATER HAMMER. AIR CHAMBERS SHALL NOT BE LESS THAN 12" LENGTH. WATER HAMMER ARRESTORS, ZURN SHOCKTROL, SIZED AND INSTALLED PER MANUFACTURER'S RECOMMENDATION, WILL ALSO BE ACCEPTABLE.
- 16. PIPE HANGERS SHALL BE ADJUSTABLE TEARDROP TYPE HANGER AND RODS, GRONELL OR EQUAL. PROVIDE ALL STOPS, TRIPS, ESCUTCHEONS, CONNECTIONS, CARRIERS, ETC. FOR ALL FIXTURES AS NECESSARY TO COMPLETE THE INSTALLATION OF EACH FIXTURE, WHETHER SUCH ITEMS ARE LISTED OR NOT.
- 17. ALL FURNISHED EXPOSED FAUCETS, TRAPS CONNECTING PIPING, STOPS AND OTHER FIXTURE TRIM SHALL BE CHROME-PLATED BRASS UNLESS OTHERWISE SPECIFIED. ALL FASTENING SHALL BE CHROME-PLATED BRASS OR MAY BE 302 STAINLESS STEEL IF OF MATCHING COLOR AND FINISH.
- 18. GENERAL CONTRACTOR SHALL HIRE A SURVEY/LOCATOR COMPANY TO LOCATE/IDENTIFY ALL UNDERGROUND PIPING, ETC.
- 20. ALL FITTINGS SHALL BE INSTALLED BY NO LESS THAN A JOURNEYMAN LEVEL PLUMBER.
- 21. NO HORIZONTAL DOUBLE-WYE FITTINGS ARE ACCEPTABLE.
- 22. PROVIDE TRAP PRIMER CONNECTIONS ON ALL HUB DRAINS. ATTACH TRAP PRIMERS ON NEAREST SINK. SEE DETAIL.

PLUMBING LEGEND

WASTE PIPING	VTR VENT THRU ROOF
VENT PIPING	HB HOSE BIBB
COLD WATER PIPING	CO CLEAN-OUT
FULL PORT BALL VALVE	FCO FLOOR CLEAN-OUT
CHECK VALVE	CW COLD WATER PIPING
UNION	HW HOT WATER PIPING
HW	FD FLOOR DRAIN
	POINT OF NEW CONNECTION

NOTE: SEE SPECIFICATION SECTION 22.40.00 FOR MORE DETAILS ON THE PLUMBING FIXTURES.

PLUMBING FIXTURE SCHEDULE

P-NUMBER	DESCRIPTION	WASTE PIPE SIZE	VENT PIPE SIZE	COLD WATER PIPE SUPPLY SIZE	HOT WATER PIPE SUPPLY SIZE
P-103	WATER CLOSET, FLUSH VALVE, WALL	4	2	1.25	-
P-115	WATER CLOSET, FLUSH VALVE, FLOOR	4	2	1.25	-
P-414	LAVATORY	1.5	1.5	0.5	0.5
P-418	LAVATORY	1.5	1.5	0.5	0.5
P-502	SERVICE SINK	3	1.5	1	1
P-505	CLINIC SERVICE SINK	4	2	1	1
P-520	SURGEONS SCRUB SINK	1.5	1.5	.75	.75
P-604	ELECTRIC WATER COOLER	1.5	1.5	.5	-

SCHEDULE OF FLOOR DRAINS

LOCATION	TYPE	SIZE	SEWER	REMARKS
SOILED LINEN COLLECTION ROOM	D	3	S	-
MECHANICAL EQUIPMENT ROOM	B	4	S	WITH 1/2" GRATE WHEN ADJACENT TO EQUIPMENT

04-18-12 MEDICAL EQUIPMENT AND INTERIOR DESIGN REVISIONS

REVISION

DATE

65% SUBMITTAL

02/19/11

95% SUBMITTAL

03/29/11

100% SUBMITTAL

04/13/11

REVISIONS PER VA COMMENTS

04/20/11

CONSTRUCTION SET

05/02/11

CLARIFICATIONS TO BID OPTIONS

11/09/11

MEDICAL EQUIPMENT AND INTERIOR DESIGN REVISIONS

04/18/12

CONSULTANTS:

H HADDAD ENGINEERING, INC.

2955 HARTLEY ROAD, SUITE 205 JACKSONVILLE, FL. 32257

TELEPHONE: (904) 262-5086 FAX: (904) 262-7139

CERTIFICATE OF AUTHORIZATION NO. 4000

ARCHITECT/ENGINEERS:

ttv architects, inc.

15 EAST FOREST HILL JACKSONVILLE, FLORIDA 32202

1 904 798-0333 F 904 798-0335

WWW.TTVARCHITECTS.COM

FL LICENSE #000091

Drawing Title

PLUMBING LEGEND, SCHEDULES, DETAILS, AND GROUND FLOOR PLAN DEMO

Approved Project Director

Project Title

SPECIALTY TREATMENT EXPANSION PROJECT- BUILDING #1

Location

JAMES A. HALEY VETERANS' HOSPITAL

Date

02/19/11

Checked

SL

Drawn

JB/TB

Project Number

673-CSI-100

Building Number

1

Drawing Number

PL101

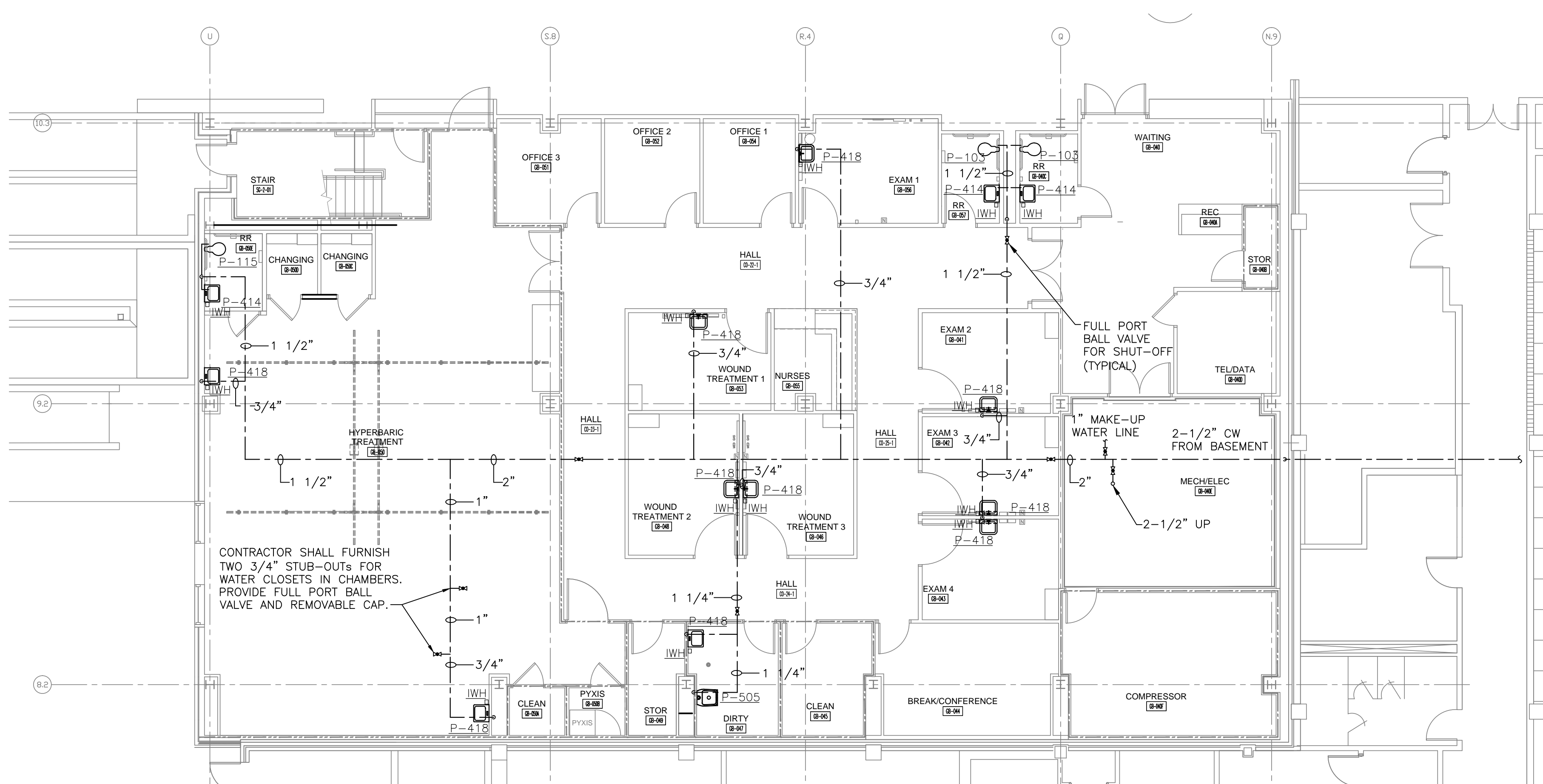
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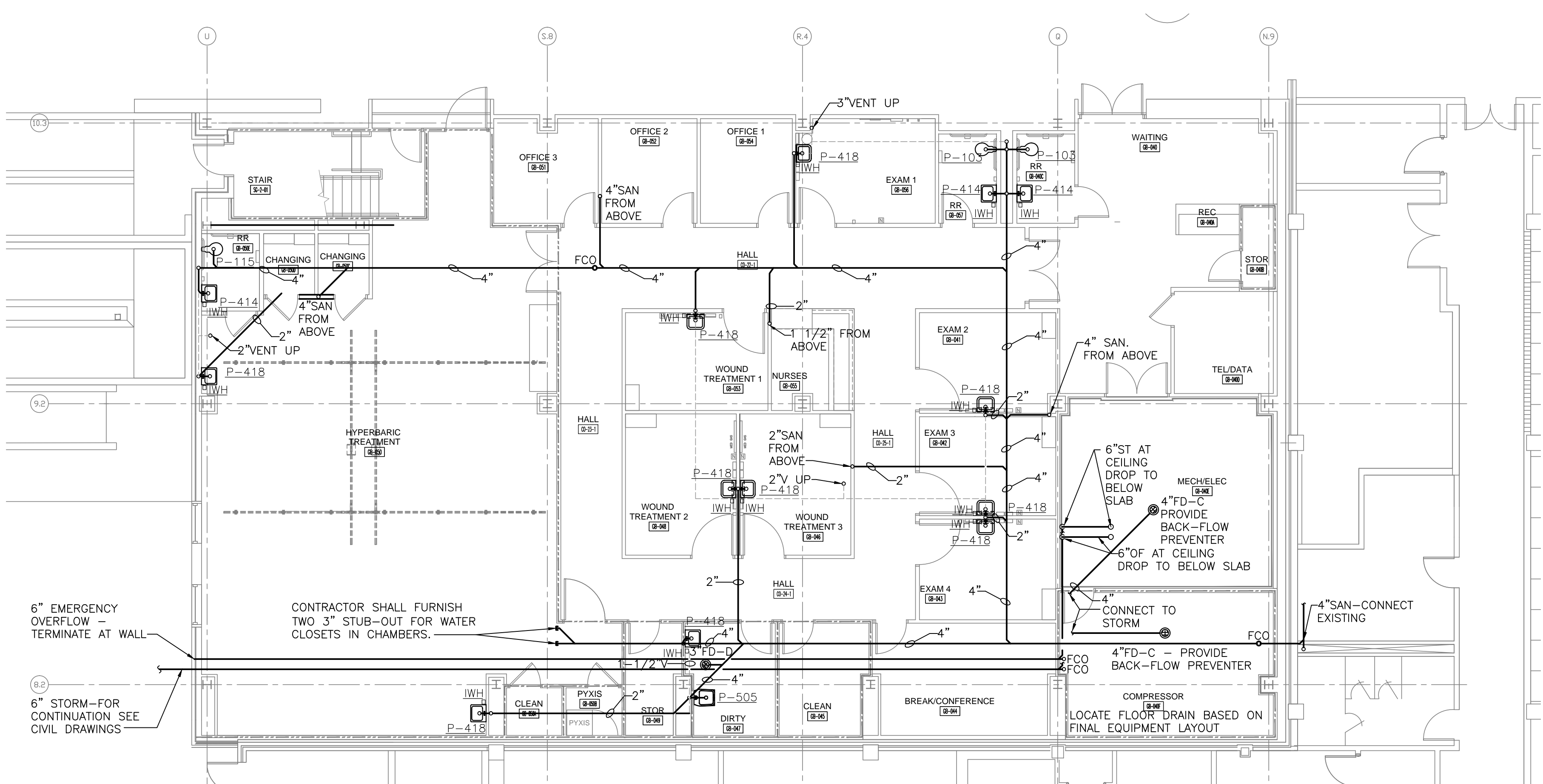
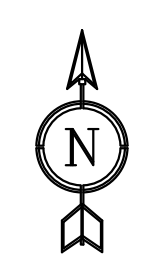
Office of Construction and Facilities Management

Department of Veterans Affairs

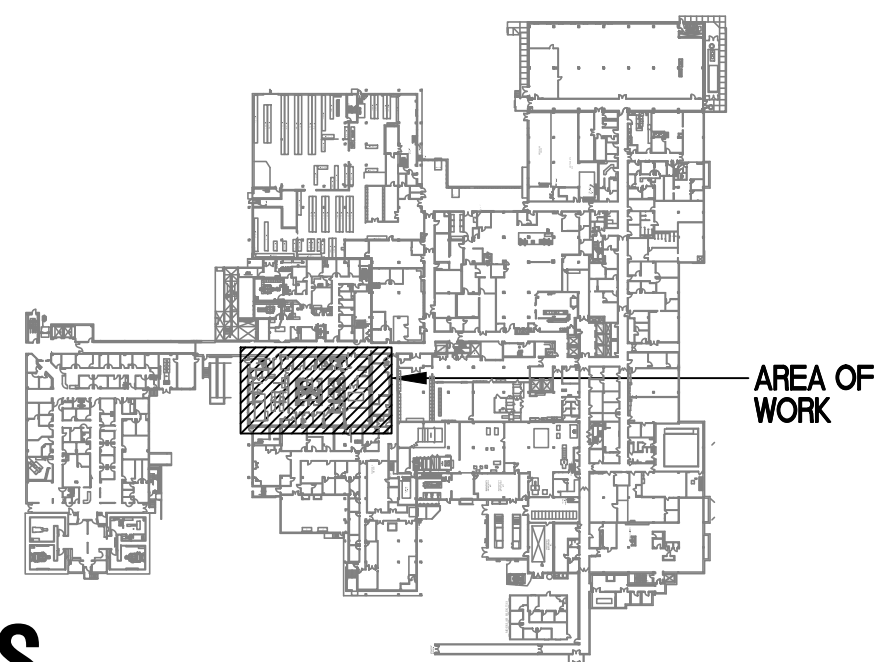
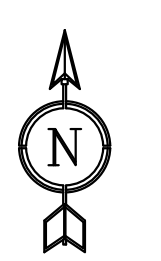
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**GROUND FLOOR PLAN - WATER**  
SCALE: 1/8" = 1'-0"



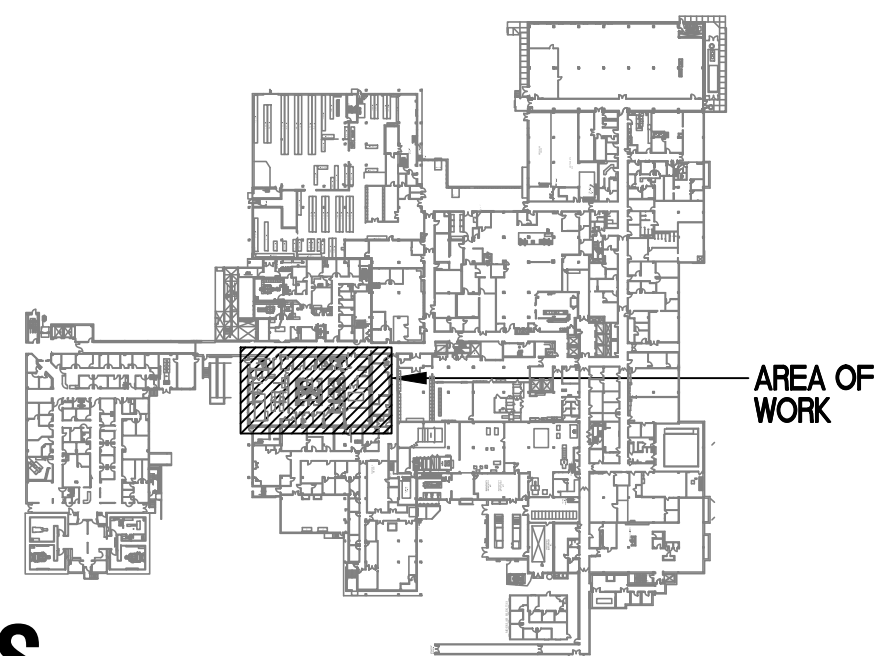
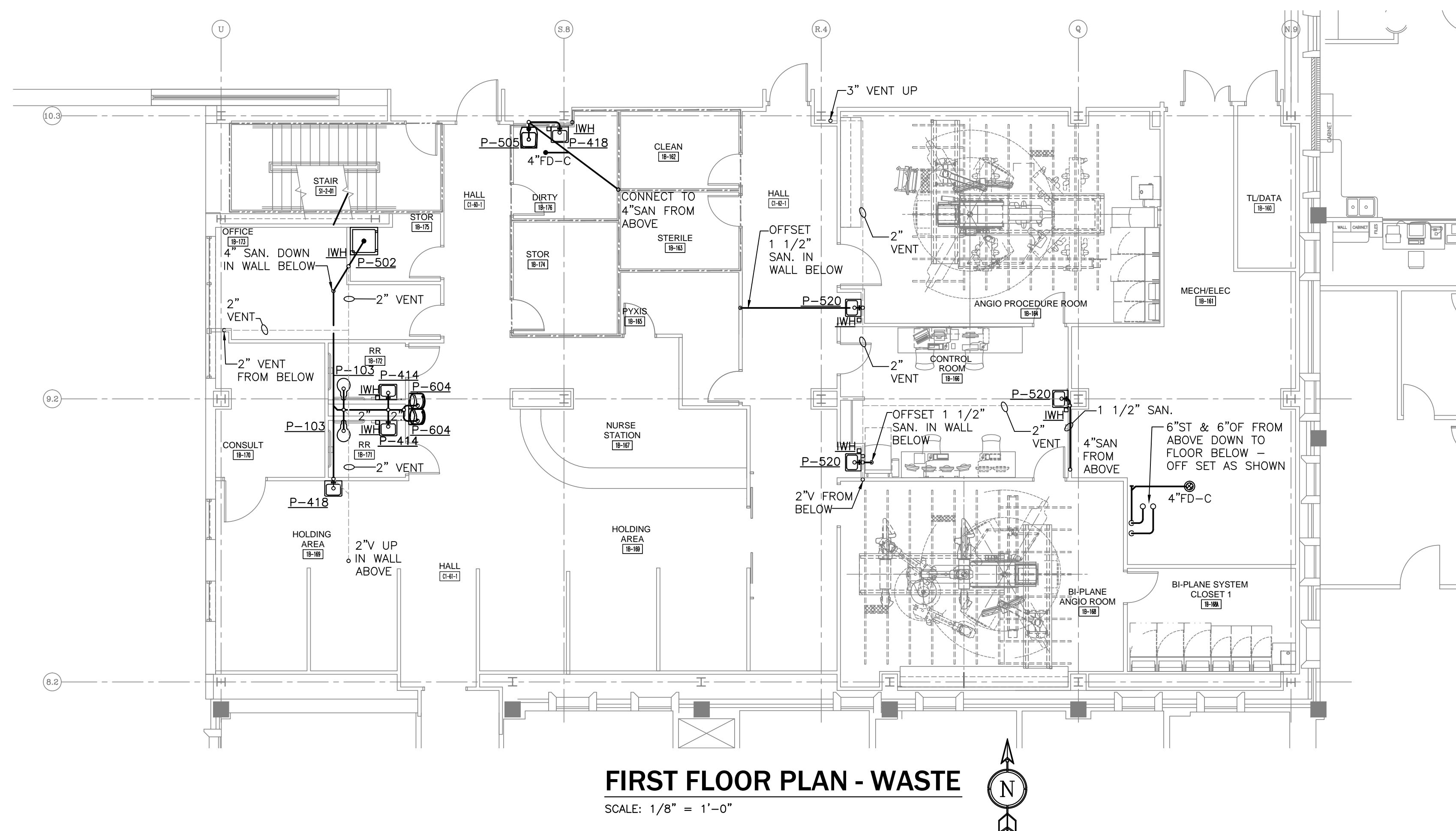
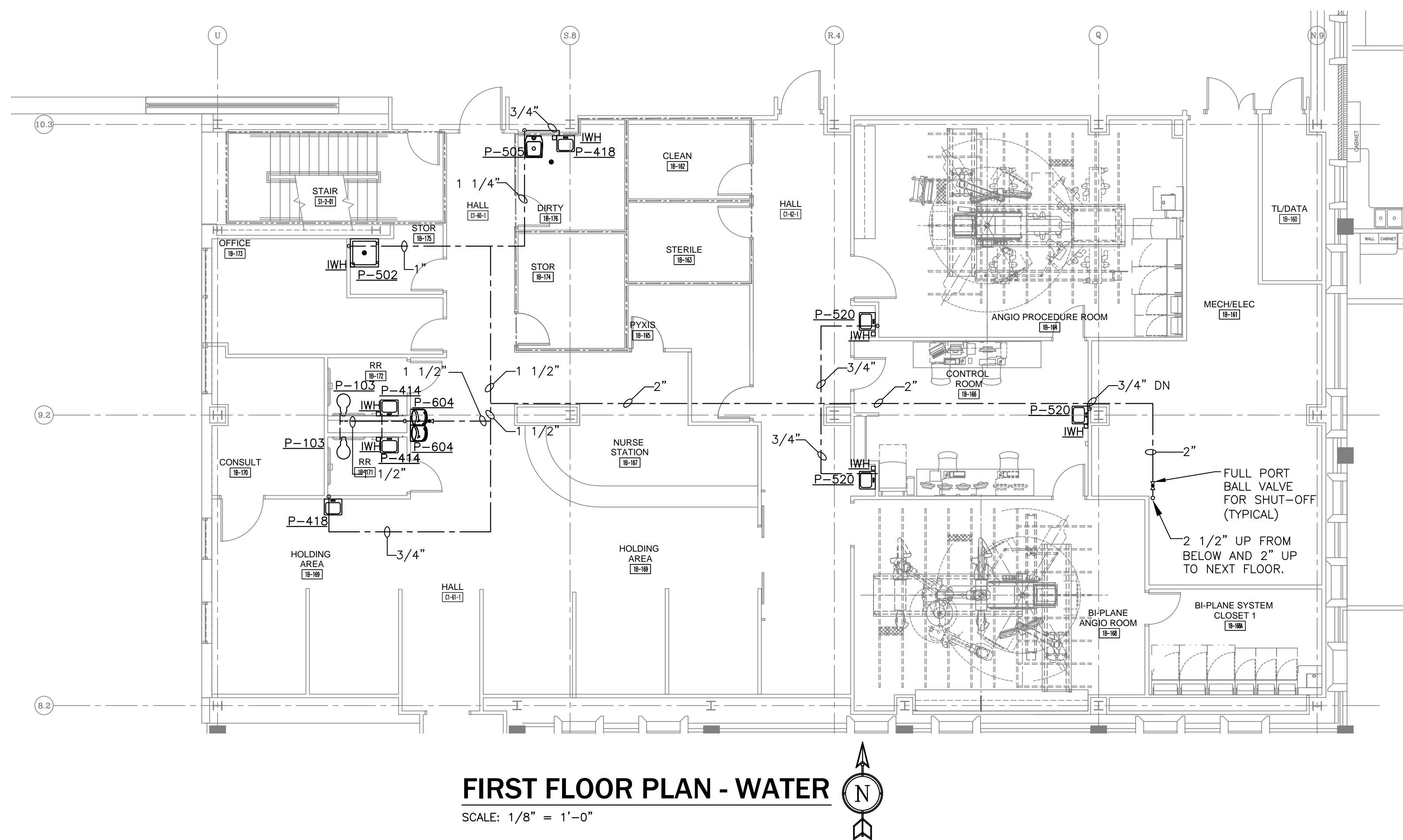
**GROUND FLOOR PLAN - WASTE**  
SCALE: 1/8" = 1'-0"



## 04-18-12 MEDICAL EQUIPMENT AND INTERIOR DESIGN REVISIONS

REVISION		DATE		CONSULTANTS:		<div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div></div> <div>HADDAD ENGINEERING, INC.</div> <div>2955 HARTLEY ROAD, SUITE 205 - JACKSONVILLE, FL. 32257</div> <div>TELEPHONE - (904) 262-5086 FAX - (904) 262-7139</div> <div>CERTIFICATE OF AUTHORIZATION NO. 4000</div>		ARCHITECT/ENGINEERS:		<div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div></div> <div>ttv architects, inc.</div> <div>15 EAST FORESTHILL</div> <div>JACKSONVILLE, FLORIDA 32202</div> <div>T 904.798.0333</div> <div>F 904.798.0335</div> <div>WWW.TTVARCH.COM</div> <div>FL LICENSE#000099</div>		Drawing Title		Project Title		Project Number		Office of Construction and Facilities Management					
65% SUBMITTAL		02/19/11																		SPECIALTY TREATMENT EXPANSION		673-CSI-100	
95% SUBMITTAL		03/29/11																		PROJECT- BUILDING #1		Building Number	
100% SUBMITTAL		04/13/11																				1	
REVISIONS PER VA COMMENTS		04/20/11																				Drawing Number	
CONSTRUCTION SET		05/02/11																				PL201	
CLARIFICATIONS TO BID OPTIONS		11/09/11																				Dwg. 2 of 6	
MEDICAL EQUIPMENT AND INTERIOR DESIGN REVISIONS		04/18/12								Department of Veterans Affairs													

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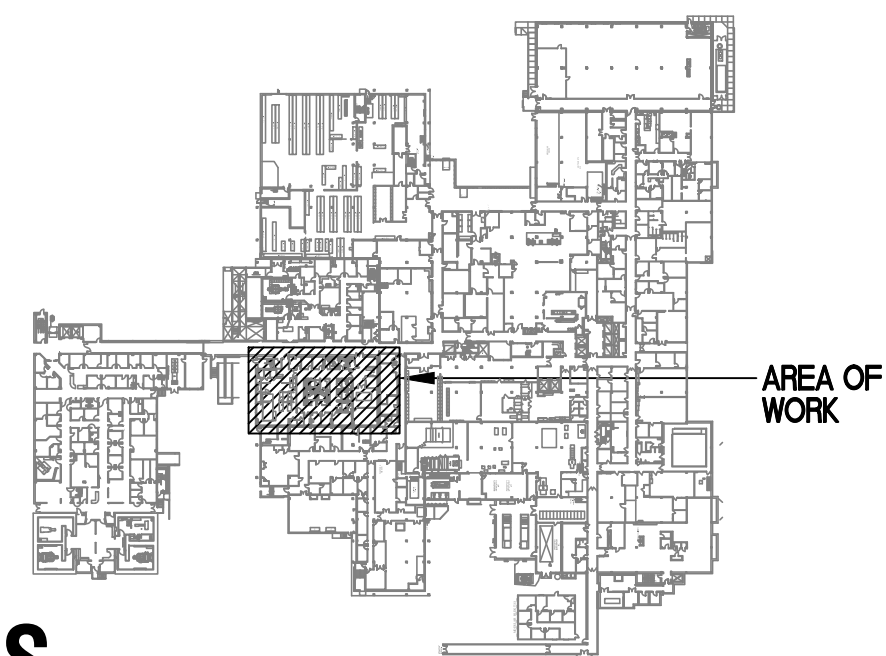
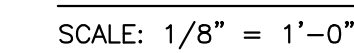
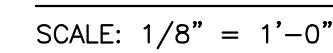


04-18-12 MEDICAL EQUIPMENT AND INTERIOR DESIGN REVISIONS

REVISION		DATE	CONSULTANTS:	<div><div><div><div></div></div></div><div><div><div></div></div></div></div> <div><div><div></div></div></div> <div><div><div></div></div></div> <div>HADDAD ENGINEERING, INC.</div> <div>2955 HARTLEY ROAD, SUITE 205 JACKSONVILLE, FL. 32257</div> <div>TELEPHONE - (904) 262-5066 FAX - (904) 262-7139</div> <div>CERTIFICATE OF AUTHORIZATION NO. 4000</div>	ARCHITECT/ENGINEERS:	<div><div><div><div></div></div></div><div><div><div></div></div></div></div> <div><div><div></div></div></div> <div><div><div></div></div></div> <div>ttv architects, inc.</div> <div>15 EAST FORESTHILL</div> <div>JACKSONVILLE, FLORIDA 32202</div> <div>T 904.798.0333</div> <div>F 904.798.0333</div> <div>WWW.TTVARCH.COM</div> <div>FL LICENSE NO. 36120</div>	Drawing Title	PLUMBING FIRST FLOOR PLAN	Project Title	SPECIALTY TREATMENT EXPANSION PROJECT- BUILDING #1	Project Number 673-CSI-100	Office of Construction and Facilities Management			
65% SUBMITTAL		02/19/11											Building Number 1		
95% SUBMITTAL		03/29/11													
100% SUBMITTAL		04/13/11													
REVISIONS PER VA COMMENTS		04/20/11													
CONSTRUCTION SET		05/02/11													
CLARIFICATIONS TO BID OPTIONS		11/09/11													
MEDICAL EQUIPMENT AND INTERIOR DESIGN REVISIONS		04/18/12													

Date		Checked	Drawn	PL202	Dwg. 3 of 6
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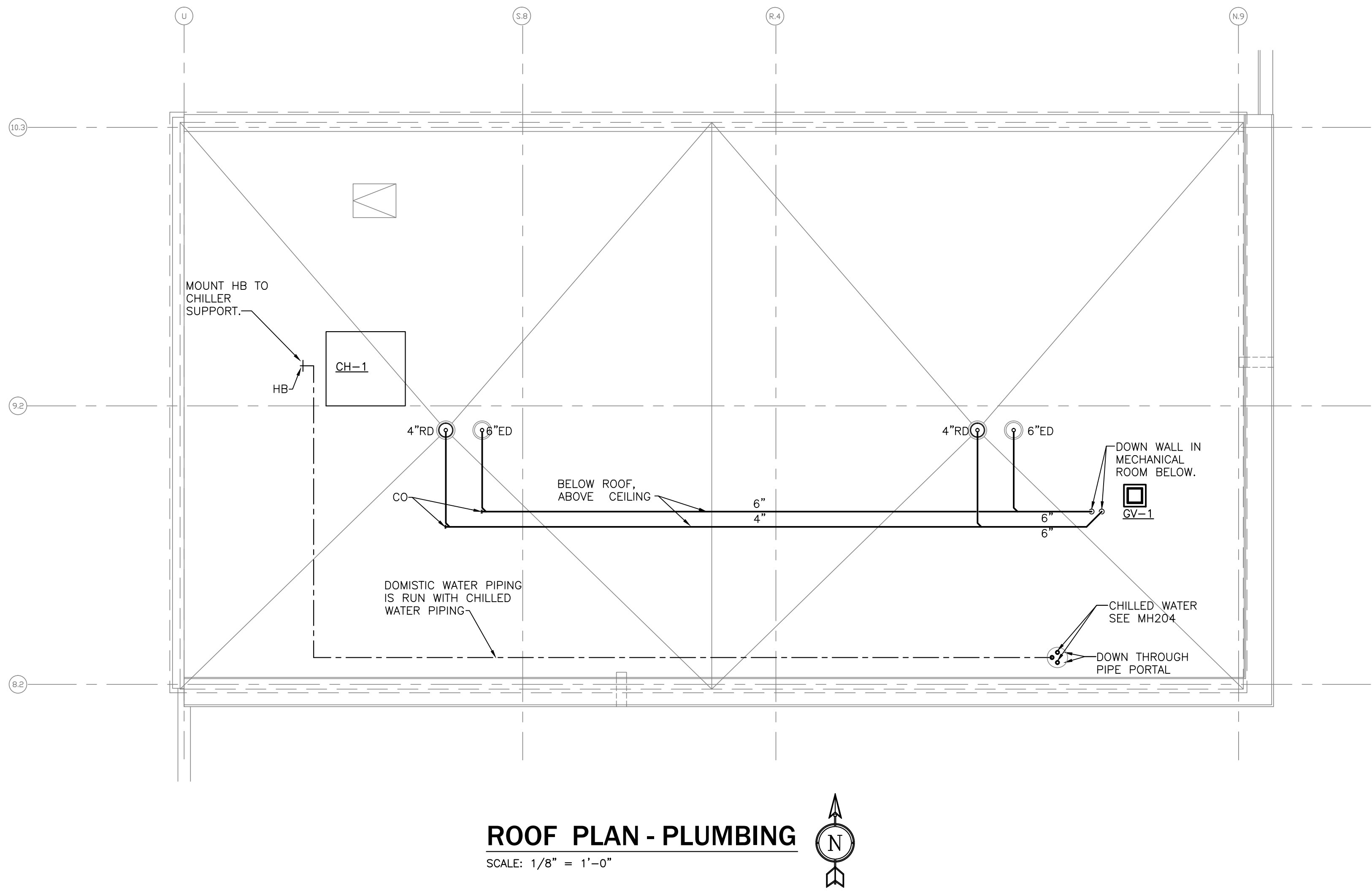
Department of Veterans Affairs	
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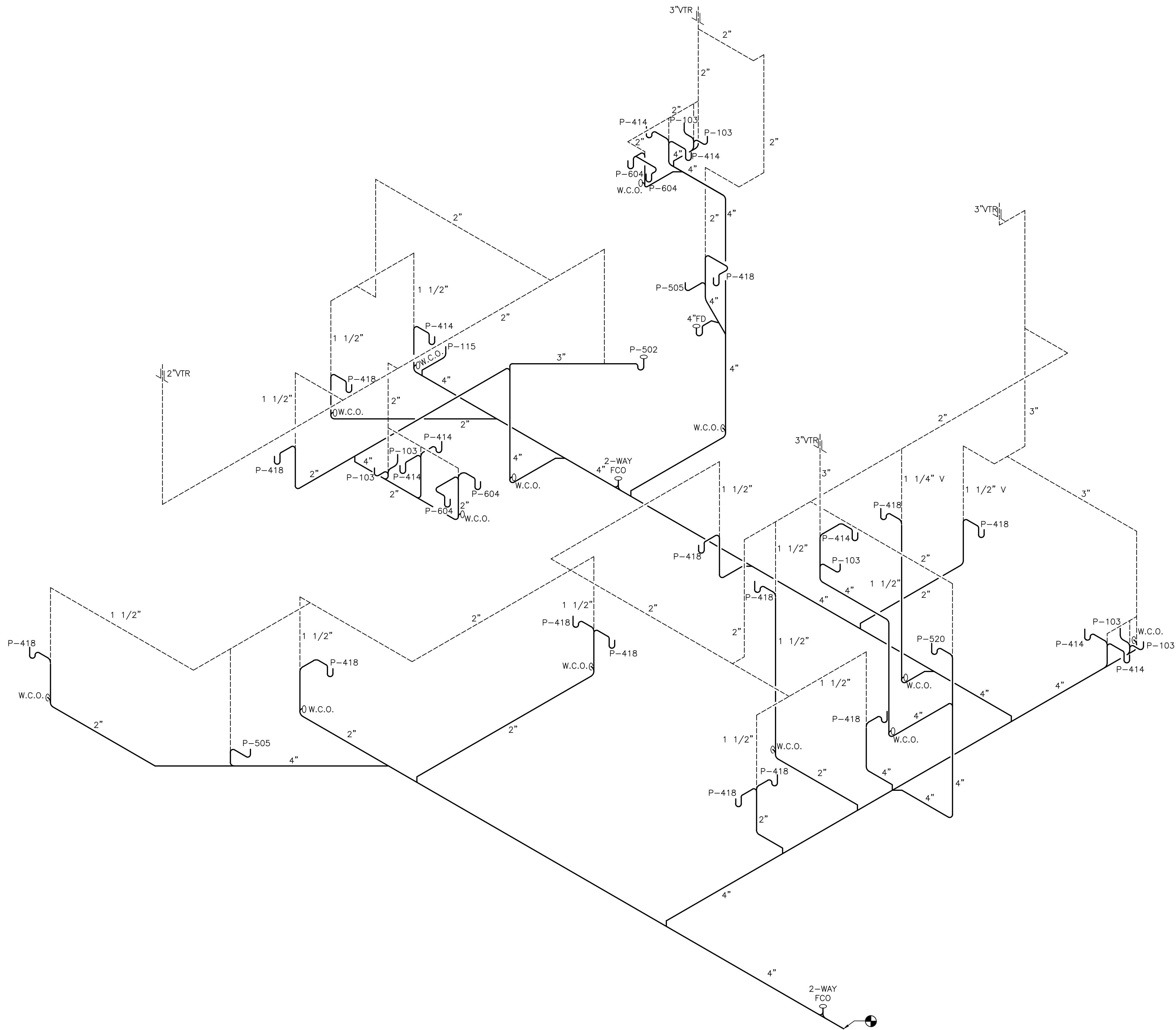
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04-18-12 MEDICAL EQUIPMENT AND INTERIOR DESIGN REVISIONS

REVISION	DATE	<div>CONSULTANTS:</div> <div><div><div><div></div></div><div>H</div></div><div>HADDAD ENGINEERING, INC. 2955 HARTLEY ROAD, SUITE 205 JACKSONVILLE, FL 32257 TELEPHONE - (904) 262-5086 FAX - (904) 262-7139 CERTIFICATE OF AUTHORIZATION NO. 4000</div></div>	<div>ARCHITECT/ENGINEERS:</div> <div><div><div><div></div></div><div>ttv architects, inc.</div></div><div>15 EAST FORESTHILL JACKSONVILLE, FLORIDA 32202 T 904.798.0333 F 904.798.0333 www.ttvarch.com FL LICENSE #000099</div></div>	<div>Drawing Title</div> <div>HVAC ROOF PLAN</div> <div>Approved Project Director</div>	<div>Project Title</div> <div>SPECIALTY TREATMENT EXPANSION PROJECT- BUILDING #1</div> <div>Location</div> <div>JAMES A. HALEY VETERANS' HOSPITAL</div> <div>Date</div> <div>02/19/11</div> <div>Checked</div> <div>SL</div> <div>Drawn</div> <div>JB/TB</div>	<div>Project Number</div> <div>673-CSI-100</div> <div>Building Number</div> <div>1</div> <div>Drawing Number</div> <div>PL204</div> <div>Dwg. 5 of 6</div>	<div>Office of Construction and Facilities Management</div> <div><div><div></div></div>Department of Veterans Affairs</div>
65% SUBMITTAL	02/19/11						
95% SUBMITTAL	03/29/11						
100% SUBMITTAL	04/13/11						
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CLARIFICATIONS TO BID OPTIONS	11/09/11						
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WASTE RISER DIAGRAM  
SCALE: N.T.S.

04-18-12 MEDICAL EQUIPMENT AND INTERIOR DESIGN REVISIONS

REVISION		DATE	CONSULTANTS:		ARCHITECT/ENGINEERS:		Drawing Title		Project Title		Project Number		Office of Construction and Facilities Management			
65% SUBMITTAL		02/19/11	<div><div><div></div></div><div><div></div></div></div> <div><div>H</div><div>HADDAD ENGINEERING, INC.</div><div>2955 HARTLEY ROAD, SUITE 205 JACKSONVILLE, FL 32257</div><div>TELEPHONE - (904) 262-5066 FAX - (904) 262-7139</div><div>CERTIFICATE OF AUTHORIZATION NO. 4000</div></div>		<div><div><div></div></div><div><div></div></div></div> <div><div>ttv architects, inc.</div><div>15 EAST FOREST HILL JACKSONVILLE, FL 32206-1002</div><div>T 904 798-0333 F 904 798-0335</div><div>WWW.TTVARCHITECTS.COM</div><div>FL LICENSE NO. 36120</div></div>		WASTE RISER DIAGRAM		SPECIALTY TREATMENT EXPANSION PROJECT- BUILDING #1		673-CSI-100					
Building Number 1																
Drawing Number PL205																
CLARIFICATIONS TO BID OPTIONS		11/09/11					Approved Project Director		Location JAMES A. HALEY VETERANS' HOSPITAL		Date 02/19/11		Checked SL	Drawn JB/TB	Department of Veterans Affairs	
MEDICAL EQUIPMENT AND INTERIOR DESIGN REVISIONS		04/18/12														